## 4240-149 Sequence Listing REVISED 080309\_ST25 SEQUENCE LISTING

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       PARK, Yoon Jeong
       CHUNG, Chong-Pyoung
LEE, Seung Jin
RHEE, Sang Hoon
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4240-149 Sequence Listing REVISED 080309_ST25
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4240-149 Sequence Listing REVISED 080309_ST25
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## 4240-149 Sequence Listing REVISED 080309\_ST25

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Gly Leu Val His Tyr Asn Ile Ile Ser Gly Asn Ser Arg Gly His Phe 35 40 45
Ala Ile Asp Ser Leu Thr Gly Glu Ile Gln Val Ala Pro Leu Asp 50 60
Phe Glu Ala Glu Arg Glu Tyr Ala Leu Arg Ile Arg Ala Gln Asp Ala 65 70 75 80
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20 25 30
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Asp Phe Leu Ala Leu Glu Leu Val Ala Gly Gln Val Arg Leu Thr Tyr 50 60

Ser Thr Gly Glu Ser Asn Thr Val Val Ser Pro Thr Val Pro Gly Gly 65 70 75 80

Leu Ser Asp Gly Gln Trp His Thr Val His Leu Arg Tyr Tyr Asn Lys 85 90 95

Pro Arg Thr Asp Ala Leu Gly Gly Ala Gln Gly Pro Ser Lys Asp Lys  $100 \hspace{1cm} 105 \hspace{1cm} 110$ 

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Phe Gly Ala Glu Ile Gly Asn Tyr Ser Cys Ala Ala Ala Gly Val Gln 130 135 140

Thr Ser Ser Lys Lys Ser Leu Asp Leu Thr Gly Pro Leu Leu Gly 145 150 155 160

Gly Val Pro Asn Leu Pro Glu Asn Phe Pro Val Ser His Lys Asp Phe 165 170 175

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Arg Ala Thr Gln Gly Val Leu Met Gln Val Gln Ala Gly Pro His Ser 35 40 45 Page 19 Thr Leu Leu Cys Gln Leu Asp Arg Gly Leu Leu Ser Val Thr 50 55 60

Arg Gly Ser Gly Arg Ala Ser His Leu Leu Leu Asp Gln Val Thr Val 65 70 75 80

Ser Asp Gly Arg Trp His Asp Leu Arg Leu Glu Leu Gln Glu Glu Pro 85 90 95

Gly Gly Arg Arg Gly His His Val Leu Met Val Ser Leu Asp Phe Ser 100 105 110

Leu Phe Gln Asp Thr Met Ala Val Gly Ser Glu Leu Gln Gly Leu Lys

Val Lys Gln Leu His Val Gly Gly Leu Pro Pro Gly Ser Ala Glu Glu 130 135 140

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Ala Cys Pro Lys 35

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Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp 50 60
Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg 65 70 75 80
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Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
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Gly Asn Ser Ala Lys Leu Val Tyr Ser Ile Leu Glu Gly Gln Pro Tyr 35 40 45
Phe Ser Val Glu Ala Gln Thr Gly Ile Ile Arg Thr Ala Leu Pro Asn 50 60
Met Asp Arg Glu Ala Lys Glu Glu Tyr His Val Val Ile Gln Ala Lys 65 70 75 80
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Gly Leu Val Thr Tyr Asn Ile Val Asp Gly Asp Gly Met Glu Ser Phe 35 40 45

Glu Ile Thr Thr Asp Tyr Glu Thr Gln Glu Gly Val Ile Lys Leu Lys 50 55 60

Lys Pro Val Asp Phe Glu Thr Glu Arg Ala Tyr Ser Leu Lys Val Glu 65 70 75 80

Ala Ala Asn Val His Ile Asp Pro Lys Phe Ile Ser Asn Gly Pro Phe 85 90 95

Lys Asp Thr Val Thr Val Lys Ile Ser Val Glu Asp Ala Asp Glu Pro  $100 \hspace{1cm} 105 \hspace{1cm} 110$ 

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Ala Asn Ser Pro Ile Arg Trp Ser Ile Asp Arg His Thr Asp Leu Asp 35 40 45

Arg Phe Phe Thr Ile Asn Pro Glu Asp Gly Phe Ile Lys Thr Thr Lys 50 60

Pro Leu Asp Arg Glu Glu Thr Ala Trp Leu Asn Ile Thr Val Phe Ala 65 70 75 80

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Asp Asp Thr Ala Asn Gly Pro Arg Phe Ile Phe Ser Leu Pro Pro Gly 35 40 45

Ile Ile His Asn Pro Asn Phe Thr Val Arg Asp Asn Arg Asp Asn Thr 50 55 60

Ala Gly Val Tyr Ala Arg Arg Gly Gly Phe Ser Arg Gln Lys Gln Asp 65 70 75 80

Leu Tyr Leu Leu Pro Ile Val Ile Ser Asp Gly Gly Ile Pro Pro Met 85 90 95

Ser Ser Thr Asn Thr Leu Thr Ile Leu Val Cys Gly Cys Asp Val Asn 100 105 110
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Gly Ala Leu Leu Ser Cys Asn Ala Glu Ala Tyr Ile Leu Asn 115 120 125